

| C4L Math Item Count by Tested Indicator   |                              |  |  |
|---|------------------------------|--|--|
| Grade 7   |                              |  |  |
| NUMBER SENSE  | Number of items in Item Bank |  |  |
| <i>MA 7.1.1.a Show equivalence among fractions, decimals, and percents</i>  | 21                           |  |  |
| <i>MA 7.1.1.b Compare and order rational numbers</i>  | 15                           |  |  |
| <i>MA 7.1.1.c Represent large numbers using scientific notation</i>   | 10                           |  |  |
| <i>MA 7.1.3.a Compute accurately with integers</i>  | 26                           |  |  |
| <i>MA 7.1.3.b Select, apply, and explain the method of computation when problem solving using integers and</i>                                  | 12                           |  |  |
| <i>MA 7.1.3.c Solve problems involving percent of numbers</i>   | 25                           |  |  |
| <i>MA 7.1.4.a Use estimation methods to check the reasonableness of solutions for problems involving integers and positive rational numbers</i> | 11                           |  |  |
| GEOMETRIC/MEASUREMENT CONCEPTS  | Number of items in Item Bank |  |  |
| <i>MA 7.2.2.a Plot the location of an ordered pair in the coordinate plane</i>  | 8                            |  |  |
| <i>MA 7.2.2.c Find the distance between points along horizontal and vertical lines of a coordinate plane</i>                                    | 10                           |  |  |
| <i>MA 7.2.3.b Perform and describe positions and orientation of shapes under a single transformation on a coordinate plane</i>                  | 7                            |  |  |
| <i>MA 7.2.5.b Determine the area of trapezoids and circles, and the circumference of circles</i>  | 30                           |  |  |
| ALGEBRAIC CONCEPTS  | Number of items in Item Bank |  |  |
| <i>MA 7.3.1.a Describe and create algebraic expressions from words, tables, and graphs</i>  | 21                           |  |  |
| <i>MA 7.3.1.b Use a variable to describe a situations with an inequality</i>  | 20                           |  |  |
| <i>MA 7.3.2.a Model contextualized problems using various representations</i>   | 13                           |  |  |
| <i>MA 7.3.3.c Given the value of the variable(s), evaluate algebraic expressions with respect to order of operations</i>                        | 21                           |  |  |
| <i>MA 7.3.3.d Solve two-step equations involving integers and positive rational numbers</i>   | 20                           |  |  |
| <i>MA 7.3.3.e Solve one-step inequalities involving positive rational numbers</i>   | 17                           |  |  |

| <b>DATA ANALYSIS/PROBABILITY CONCEPTS</b>  | <b>Number of items in Item Bank</b> |  |  |
|--|-------------------------------------|--|--|
| <i><b>MA 7.4.1.a Analyze data sets and interpret their graphical representations</b></i>   | 7                                   |  |  |
| <i><b>MA 7.4.1.b Find and interpret mean, median, mode, and range for sets of data</b></i> | 24                                  |  |  |
| <i><b>MA 7.4.3.a Find the probability of independent compound events</b></i>               | 15                                  |  |  |
| <i><b>MA 7.4.3.b Compare and contrast theoretical and experimental probabilities</b></i>   | 7                                   |  |  |